

European Patent
OfficeSUPPLEMENTARY
EUROPEAN SEARCH REPORTApplication Number
EP 03 78 7510

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X ✓	US 5 799 603 A (TELLINGTON WENTWORTH J) 1 September 1998 (1998-09-01)	1-5,7, 26-30,36	B63B1/14
Y	* abstract; claims 1,8,9,11,12; figures 1,7 *	6,8-10	B63B1/22
	* column 2, line 38 - line 49 * * column 3, line 47 - line 64 * * column 4, line 18 - line 21 * * column 5, line 41 - line 63 *		
X ✓	US 1 344 903 A (KOIRANSKY SIMON) 29 June 1920 (1920-06-29)	36	
A	* claim 1; figures 1-3,7,8 *	1-3,7, 26-30	
	* page 1, line 40 - line 45 * * page 1, line 71 - page 2, line 23 * * page 2; line 45 - line 54 * * page 2, line 85 - line 86 *		
A	US 5 592 894 A (JOHNSON HERRICK J) 14 January 1997 (1997-01-14)	1,5,7	
	* figures 1,1a,1b *		
	* column 6, line 14 - line 31 *		
Y ✓	US 6 270 098 B1 (HEYRING CHRISTOPHER B ET AL) 7 August 2001 (2001-08-07)	6,8-10	
A	* figure 1 *	1-3,7, 12-17, 26-30	
	* column 1, line 50 - line 56 * * column 5, line 14 - line 29 *		
X ✓	FR 2 451 312 A (VERNIER GABRIEL) 10 October 1980 (1980-10-10)	36	
A	* figures 1,2 *	1,7,30	
	* page 1, line 49 - page 2, line 6 * * page 2, line 35 - line 46 *		
	----	----	----
	----	----	----
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
13	Place of search The Hague	Date of completion of the search 9 March 2006	Examiner Häusler, F.U.
EPO FORM 163 (03-03-2000)	CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document	
X : particularly relevant document alone Y : particularly relevant if combined with another document of the same category A : technological background C : non-written disclosure P : intermediate document			



European Patent
Office

**SUPPLEMENTARY
EUROPEAN SEARCH REPORT**

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	<p>✓ US 5.097.916 A (BRANDSTADTER JACK M) 24 March 1992 (1992-03-24)</p> <p>* figures 1,2 *</p> <p>* column 8, line 48 - line 56 *</p> <p>* column 9, line 5 - line 42 *</p> <p>* column 10, line 1 - line 40 *</p> <p>* column 12, line 7 - line 52 *</p> <p>* column 13, line 13 - line 66 *</p>	1-3,7, 16,17	
TECHNICAL FIELDS SEARCHED (IPC)			
The supplementary search report has been based on the last set of claims valid and available at the start of the search,			
Place of search		Date of completion of the search	Examiner
The Hague		9 March 2006	Häusler, F.U.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date		
A : technological background	D : document cited in the application		
O : non-written disclosure	L : document cited for other reasons		
P : intermediate document	B : member of the same patent family, corresponding document		

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 03 78 7510

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

09-03-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5799603	A	01-09-1998	NONE	
US 1344903	A	29-06-1920	NONE	
US 5592894	A	14-01-1997	NONE	
US 6270098	B1	07-08-2001	NONE	
FR 2451312	A	10-10-1980	NONE	
US 5897916	A	24-03-1992	NONE	